

IN THE CLAIMS

1-19. (Canceled)

20. (New) An optical communication apparatus comprising:

a communication processing unit;

an optical device connected to said communication processing unit; and

an optical fiber optically coupled to said optical device,

wherein said optical device and said optical fiber are mounted on a substrate, and transparent resin is filled between a face of said optical device that is optically coupled to said optical fiber, and an end of said optical fiber that is optically coupled to said optical device.

21. (New) An optical communication apparatus according to claim 20, wherein a refractive index of said transparent resin matches that of said optical fiber.

22. (New) An optical communication apparatus according to claim 20, wherein said transparent resin is in gel form.

23. (New) An optical communication apparatus according to claim 20, wherein said optical device, said end of the optical fiber optically coupled to said optical device, and said substrate are placed inside a resin casing.

24. (New) An optical communication apparatus according to claim 23, wherein said optical device, said end of the optical fiber optically coupled to said optical device, and said substrate are placed in a cavity inside said resin casing.

25. (New) An optical module comprising:
an optical device;
an optical fiber optically coupled to said optical device at one end; and
a substrate on which said optical device and said end of the optical fiber are mounted,
wherein transparent resin is filled between a face of said optical device that is optically coupled to said optical fiber, and said end of the optical fiber.

26. (New) An optical module according to claim 25, wherein a refractive index of said transparent resin matches that of said optical fiber.

27. (New) An optical module according to claim 25, wherein aid transparent resin is in gel form.

28. (New) An optical module according to claim 25, wherein said optical device, said end of the optical fiber and said substrate are placed inside a resin casing.

29. (New) An optical module according to claim 28, wherein said optical device, said end of the optical fiber and said substrate are placed in a cavity inside said resin casing.